

Product datasheet for **SC312720**

AGBL4 (NM_032785) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	AGBL4
Synonyms:	CCP6
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_032785 edited
 ATGGCGGAGGGGAGCCAGTCGGCGCCTGAGGCAGGCAATGATATGGGAAATGATGATGCC
 ATTGGAGGGAATGTGAGCAAAATATATAGTGCTTCCAAGTGGCTATTGTGGACAGCCCAAG
 AAAGGACATCTTATCTTTGATGCTTCTTTGAAAGTGGTAACCTGGGCCGGGTGGACCAG
 GTCTCTGAGTTTGAGTATGATCTGTTCAATAGGCCGGACACCTGTAATCCACGCTTCCGA
 GTCTGGTTCAACTTTACTGTTGAAAATGTGAAAGAATCACAGAGGGTCATTTTCAACATT
 GTTAACCTTCAGTAAACCAAGAGTCTCTATAGAGATGGGATGGCCCTATGGTGAAATCT
 ACCAGCAGACCAAAATGGCAAAGGCTGCCACCCAAAAATGTTTACTACTACCGTGCCCG
 GACCACAGGAAGAACTATGTGATGTCCTTTGCCTTTTGTGTTGACCGAGAAGAAGATATT
 TACCAGTTTGCTTACTGCTACCCATATACATACACTCGCTTCCAACATTACCTTGACAGC
 CTGCAAAAAGAGAAACATGGATTACTTCTTTTCGGGAGCAGCTGGGCCAGAGTGTGCAACAA
 CGAAAGCTTGACCTCCTGACGATAACCAGCCCTGACAATCTCCGGGAAGGGGCAGAGCAG
 AAGGTGGTATTATCACAGGACGAGTCCACCCAGGGGAAACACCCTCATCTTTGTGTGC
 CAAGGGATCATTGACTTCTTTGTAAGCCAGCACCTATTGCCTGTGCTCCTCCGGAATAC
 CTGGTCTTCAAGATCGCACCAATGCTCAATCCTGATGGAGTCTACCTGGGCAATTACAGG
 TGTTCTCTGATGGGATTGATCTGAATCGTCACTGGCTGGATCCCTCTCCATGGGTCCAT
 CCTACCCTGCATGGAGTGAAACAACTCATCGTCCAGATGTACAACGACCCAAAAACAAGC
 CTGGAGTTTTATATTGACATCCATGCCCACTCCACCATGATGAATGGCTTCATGTATGGC
 AACATCTTTGAGGATGAGGAACGGTTCCAGAGGCAGGCCATTTTTCCCAAGCTCCTCTGC
 CAGAATGCTGAGGACTTCTCCTATTCCAGCACATCCTTTAACCGGGACGCTGTGAAAGCA
 GGAACCTGGCCGTCGCTTCTCGGTGGACTCCTGGACCACACTTCTATTGCTACACCCTA
 GAGGTCTCCTTCTACAGCTACATCATCAGTGGCACCACGGTCTGTGCCCTACACTGAA
 GAAGCCTATATGAAGCTGGGGCGGAATGTGGCAAGAACCCTTTTGGACTATTATCGGCTG
 AACCCCGTGGTTGAAAAGGTGGCAATTCCTATGCCGAGACTGCGAAATAAAGAAATAGAA
 GTCCAGAGAAGGAAAGAAAAATCCCTCCTTACAAGCACCCACTCCTGCGGGGCCAGCC
 AGCAACTACCCCAACAGCAAGGGGACAAGAAGAGCTCAGTGAACCACAAGACCCTTCA
 ACCCTTTTAA



Restriction Sites:	NotI-NotI
ACCN:	NM_032785
Insert Size:	3200 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_032785.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032785.1, NP_116174.1</u>
RefSeq Size:	2988 bp
RefSeq ORF:	807 bp
Locus ID:	84871
UniProt ID:	<u>Q5VU57</u>
Cytogenetics:	1p33
Domains:	Zn_carbOpept
Protein Families:	Druggable Genome

Gene Summary:

Metallocarboxypeptidase that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes polyglutamates from the carboxy-terminus of target proteins such as MYLK. Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS. Acts as a long-chain deglutamylase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGBL5/CCP5.[UniProtKB/Swiss-Prot Function]